					-tom	2
			s V	DB	Time stam 2002/01/1	6 18:24
		Search	Tayt	USPAT;	1	ì
Number	Hits	Search	1ext	US-PGPUB	2002/01/1	6 18:25
Ivanious	1	295859		USPAT;	2002/01/1	
1			11,407.1,402,204,202,261,205.ccls.	US-PGPUB	2002/01/1	6 18:27
	4049	427/41	11,407.1,402,204,202,261,205.ccls. and (decor\$7 near4 (paper	USPAT;	2002/01/	
1			11.407.1.402.204.202.261,205.ccls. and (decors) hear (p-p-	US-PGPUB	2002/01/	16 18:27
	49	427/4	11,407,1,402,201,200,7	USPAT;	2002/01/	10 10.27
		lamin	ate)) 411,407.1,402,204,202,261,205.ccls. and (decor\$7 near4 (paper 411,407.1,402,204,202,261,205.ccls. and (decor\$7 near4 (paper 411,407.1,402,204,202,261,205.ccls.	US-PGPUB	- 200/01/	16 18:29
	18	(427/	411,407,1,402,204,302,30	USPAT;		10 10.27
•		lamin	hate))) and spray\$4 e diameter) near5 (micrometer micron mm cm milli\$1meter\$1)) e diameter) near5 (micrometer micron and (decor\$7 near4	US-PGPUB;	1	\
	2	((siz	e diameter) flear 3 (fine out) (more out) flear 4 (decors) flear 4	EPO; JPO;	1	
5				DERWENT	, \	
		(pape	er laminate))) and spray\$4)	IBM TDB	1	11 (07:22
				USPAT;	2002/01	/16 07:22
		1		US-PGPUB	,	
	1	1 grau	denz.in.	EPO; JPO;	1	
-				DERWENT	ī; \	
		1		IBM TDB	1	- 11 (00:06
Į		1		USPAT;	2002/0	1/16 08:06
			man (CIII) nn	US-PGPUI	3;	\
		7 ("3	135643" "4322468").pn.	EPO; JPO;		
-				DERWEN	T;	1
		1		IBM TDB	i i	
		1		USPAT;	2002/	01/16 07:24
		1		US-PGPU	лв:	1
	\	10 "2	110605"	EPO; JPC);	
-				DERWE	VT:	
1		1		IBM TDI	o 1	
1		1		USPAT;	2002	/01/16 07:24
		1	,	US-PGP	ив:	1
	1	1 0	186257.pn.	EPO; JP	0.	
-		. "		DERWE	NT.	}
1		\		IBM TD	an I	
		1		USPAT		2/01/16 07:24
				US-PGI) 1	
		16	"186257"	EPO; JI	20.	
- '	1	10	1002-	DERW.	ENT.	
	1	1		DEKW	מב	
		1		IBM TI		02/01/16 08:10
		1	4. (rosin melamine dispers\$4	USPAT	١,	y -
	1	0026	spray\$4 with (particulate particle) with (resin melamine dispers\$4	US-PG	ייים,	
-		9820	suspen\$5)	EPO; J	TENT	
1		١	Strapesses,	DERW	TO I	
		1		IBM T	מע.	02/01/16 08:09
		l	(spray\$4 with (particulate particle) with (resin melamine dispers\$4	USPA		,
		2275	(spray\$4 with (particulate particle) with (resin morally)	US-PO	GPUB;	
- -		2375	suspen\$5)) and paper	EPO;	MENIT.	
	1		Supposed // *	DER	WENT;	
				IBM		.002/01/16 08:1
			(spray\$4 with (particulate particle) with (resin melamine dispers\$	usp.	, I	.002102120
	1		(array\$4 with (particulate particle) with (resin metalling dispersion)	US-P	GPUB;	
-		207	suspen\$5)) same paper	EPO	; JPO;	
	1		Suspend)) same Par	DER	WENT;	
					TDB	2002/01/16 12:
			# 4	USP	111,	2002/01/10 12
	1		spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)	US-	PGPUB;	
_		7912	2 spray\$4 with (particular)	EPO); JPO;	
1 -				DE	RWENT;	
1			1	1703	A TDB	
	\			IBI	1100	

•	153	(spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)) same	USPAT;	2002/01/16 08:36
		paper	US-PGPUB;	
		••	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	4	((spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)) with	USPAT;	2002/01/16 08:17
		((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive))	US-PGPUB;	
		same paper	ЕРО; ЛРО;	
		••	DERWENT;	!
			IBM TDB	
_	7	((spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)) with	USPAT;	2002/01/16 08:18
		((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive))	US-PGPUB;	
		same nozzle	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	97	(spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)) with	USPAT;	2002/01/16 08:42
		((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive)	US-PGPUB;	
		((0.11.0011 10.11.11)	ЕРО; ЈРО;	
			DERWENT;	
			IBM TDB	
	0	(spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)) and	USPAT;	2002/01/16 08:27
-		(decorative near2 paper)	US-PGPUB;	
	1	(decorative hearz paper)	EPO; JPO;	
	i i		DERWENT;	
			IBM TDB	
	10	((spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)) same	USPAT;	2002/01/16 09:27
-	18		US-PGPUB;	2002/01/10 07:27
		paper) and ((amino near2 resin) melamine)		
			EPO; JPO; DERWENT;	
		(1) (1) (1) (1) (1) (1) (1) (1)	IBM TDB	2002/01/16 08:36
-	121	(spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)) same	USPAT;	2002/01/16 08:36
		(uniform\$4 near3 coat\$4)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	2002/01/16 00 26
-	0	((spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)) same	USPAT;	2002/01/16 08:36
		(uniform\$4 near3 coat\$4)) same paper	US-PGPUB;	
			ЕРО; ЈРО;	
			DERWENT;	
			IBM TDB	
-	28	((spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)) same	USPAT;	2002/01/16 08:38
		(uniform\$4 near3 coat\$4)) and paper	US-PGPUB;	
		• • • • • • • • • • • • • • • • • • • •	ЕРО; ЈРО;	
			DERWENT;	
			IBM TDB	
	2	((spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)) with	USPAT;	2002/01/16 08:47
	_	((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive))	US-PGPUB;	
		same (uniform\$4 near3 coat\$4)	EPO; JPO;	
		Same (unitoring a near 5 coats 1)	DERWENT;	
			IBM TDB	
	22	((spray\$4 with (particulate particle) with (dispers\$4 suspen\$5)) with	USPAT;	2002/01/16 08:39
-	22	((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive))	US-PGPUB;	
			EPO; JPO;	
•		and paper	DERWENT;	
			IBM TDB	
	25	(/	USPAT;	2002/01/16 08:48
-	25		US-PGPUB;	2002/01/10 00.40
		((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive))		
		with liquid	EPO; JPO;	
			DERWENT, IBM TDB	

			1 hearing)	USPAT;	2002/01/16 08:56
		//-:1:	con near2 carbide) (aluminum near2 oxide) corundum abrasive)	US-PGPUB;	
	4508	((SIII	con near2 carbide) (aluminum hear2 onder) (particulate particle filler) with (dispers\$4 suspen\$5)	EPO; JPO;	
1	1	nearc) (partiousure f	DERWENT;	
	1			IBM TDB	101/1/ 00:57
1	ļ		- 11 > - amundum abrasive)	USPAT;	2002/01/16 08:57
	24	((cili	icon near2 carbide) (aluminum near2 oxide) corundum abrasive) (particulate particle filler) with (dispers\$4 suspen\$5) with spray\$6	US-PGPUB;	
	24	with	(particulate particle filler) with (dispers \$4 suspends) with (EPO; JPO;	
		with	a liquid\$8	DERWENT;	
				IBM TDB	2002/01/16 08:48
			ovide) corundum abrasive)	USPAT;	
,	4	ace	silicon near2 carbide) (aluminum near2 oxide) corundum abrasive) r6 (particulate particle filler) with (dispers\$4 suspen\$5)) same	US-PGPUB;	
•		l .	Constitution of the Control of the C	EPO; JPO;	
		(un	iform\$4 near3 coat\$4)) same liquid	DERWENT:	,
		1		IBM TDB	2002/01/16 08:58
		1	silicon near2 carbide) (aluminum near2 oxide) corundum abrasive)	USPAT;	1
	35	1 (((:	silicon near2 carbide) (alumnum near2 oxido) same	US-PGPUB	,
-		no	ark (particulate particle finer) was (see	EPO; JPO;	
		(u	niform\$4 near3 coat\$4)	DERWENT	1
		1		IBM TDB	2002/01/16 11:04
			2 year) come enray\$5	USPAT;	1
_	61	(d	ecorative near3 paper) same spray\$5	US-PGPUE EPO; JPO;	',
-	1			DERWEN	т.
					1,
				IBM TDB	2002/01/16 08:56
Į.	1		((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive)	USPAT; US-PGPU	1
_		1 ((((silicon near2 carbide) (alumnum near2 oxide) established (silicon near5 (particulate particle filler) with (dispers\$4 suspen\$5)) and ear6 (particulate particle filler) some spray\$5)	EPO; JPO	
		n	ear6 (particulate particle line) was (all	DERWEN	
		((decorative near3 paper) same spray\$5)	IBM TDB	. 1
	l			USPAT;	2002/01/16 09:00
		1	((decorative near3 paper) same spray\$5) same (suspen\$6 dispers\$6)	US-PGPU	
\ <u>-</u>	1	9 (((decorative nears paper) sum of the	EPO; JPC	
				DERWE	
	1	1		IBM TDE	2
				_	2002/01/16 09:14
			(((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive)	US-PGPI	ЈВ:
-	l	5	(((silicon near2 carbide) (aluminum near2 oxido) over with (particulate particle filler) with (dispers\$4 suspen\$5) with with (particulate particle filler) with (dispers\$4 suspen\$5) with	EPO; JPO	O. 1
		l	with (particulate particle filler) with (dispersion spray\$6) same (uniform\$4 near3 (distribut\$7 coat\$4))	DERWE	NT;
	1	1	spray50) same (university	IBM TD	R
	ļ	1		USPAT;	2002/01/16 09:15
•		۱ ـ	"07001414"	US-PGP	UB;
-		2	0/00/414	EPO; JP	PO;
				DERWI	ENT;
		1		IBM TI	DB
1			- 112 commdum ahrasive	USPAT	; 2002/01/16 09:30
		102	((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive)		PUB;
-		102	((silicon near2 carbide) (aluminum near2 oxide) condition according with (particulate particle filler) with (dispers\$4 suspen\$5) with sprawith (particulate particle filler) with (dispers\$4 suspen\$5)	1 EPO, J	PO;
			11200 (F.)	DEKW	ENT;
				IBM T	DB T: 2002/01/16 09:3
			2 avida) corundum abrasiv	e) USPAT	-,
		10	(((silicon near2 carbide) (aluminum near2 oxide) corundum abrasiv	US-PG	
-		10		EPO, 1	PO;
			with (particulate particle lines) spray\$6) and ((amino near2 resin) melamine)	DERW	/ENT;
				IBM T	TDB 2002/01/16 11:
			and a corundum abrasiv	e) USPA	· - ,
		296	((silicon near2 carbide) (aluminum near2 oxide) corundum abrasiv	US-PC	GPUB;
-		270	with (dispers\$4 suspen\$5) with spray\$6	I EPO,	JPO;
				DERV	WENT;
1	1			IBM '	IDB

•	-	0	(((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive) with (dispers\$4 suspen\$5) with spray\$6) same ((amino near2 resin)	USPAT; US-PGPUB;	2002/01/16 09:32
١	1		melamine)	ЕРО; ЈРО;	
		İ	,	DERWENT;	
-				IBM TDB	
-	_	242	"2958593"	USPAT;	2002/01/16 09:36
				US-PGPUB;	
		ŀ		ЕРО; ЛРО;	
-				DERWENT,	
				IBM TDB	
ĺ	_	20	(((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive)	USPAT;	2002/01/16 09:36
	•		with (dispers\$4 suspen\$5) with spray\$6) and ((amino near2 resin)	US-PGPUB,	
Ì			melamine)	ЕРО; ЈРО;	
-			,	DERWENT;	
-				IBM TDB	
-	_	2	"2958593".pn.	USPAT;	2002/01/16 09:36
-		_	Treate far	US-PGPUB,	
1		-		EPO; JPO;	
-				DERWENT,	
ŀ				IBM TDB	
	_	171	"2958593" and paper	USPAT;	2002/01/16 09:36
		.,.	2720276 min paper	US-PGPUB;	
				ЕРО; ЛРО;	
				DERWENT;	
	i			IBM TDB	
	_	78	("2958593" and paper) and ((amino near2 resin) melamine)	USPAT;	2002/01/16 09:38
		,,,	(2,500,50 and paper) and ((animo nemo e)	US-PGPUB;	
				ЕРО; ЛРО;	
				DERWENT;	
				IBM TDB	
	_	11	(("2958593" and paper) and ((amino near2 resin) melamine)) and	USPAT;	2002/01/16 09:39
	•		floor\$4	US-PGPUB,	
				ЕРО, ЈРО;	
				DERWENT,	
				IBM TDB	
	_	2	(((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive)	USPAT;	2002/01/16 10:58
		_	with (dispers\$4 suspen\$5) with spray\$6) with micrometer	US-PGPUB;	
				ЕРО; ЈРО;	
				DERWENT;	
				IBM TDB	
	_	16	(((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive)	USPAT;	2002/01/16 10:58
			with (dispers\$4 suspen\$5) with spray\$6) with (micrometer micron)	US-PGPUB;	
				EPO; JPO;	
				DERWENT;	
				IBM TDB	
	-	3	((decorative near3 paper) same spray\$5) same (micrometer micron)	USPAT;	2002/01/16 11:01
				US-PGPUB;	
				ЕРО; ЛРО;	
			,	DERWENT;	
				IBM TDB	
	-	5	((decorative near3 paper) same spray\$5) and ((size diameter) near5	USPAT;	2002/01/16 11:03
	•		(micrometer micron))	US-PGPUB;	
				ЕРО; ЈРО;	
				DERWENT;	
				IBM TDB	
	-	492	((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive)	USPAT;	2002/01/16 11:07
			with (dispers\$4 suspen\$5) with ((size diameter) near5 (micrometer	US-PGPUB;	
			micron))	ЕРО; ЈРО;	
				DERWENT;	
				IBM TDB	

٢		0	(decorative near3 paper) and (((silicon near2 carbide) (aluminum near2	USPAT;	2002/01/16 11:06
.	-	° l	oxide) corundum abrasive) with (dispers\$4 suspen\$5) with ((size	US-PGPUB;	
-			diameter) near5 (micrometer micron)))	ЕРО; ЛРО;	
-			diameter) hears (interometer interony))	DERWENT;	
ı				IBM TDB	
-	į	25	((('1') 2 1:1-) (aluminum maar2 avida) comundum ahrasiya)	USPAT;	2002/01/16 11:08
	-	35	(((silicon near2 carbide) (aluminum near2 oxide) corundum abrasive)	US-PGPUB;	2002/01/10 11:00
			with (dispers\$4 suspen\$5) with ((size diameter) near5 (micrometer		
	1		micron))) and ((impregnat\$4 coat\$4) with (paper cellulos\$4))	EPO; JPO;	
- [ì			DERWENT;	
-				IBM TDB	0000/01/16 11 50
-	-	27	(decorative near3 paper) same ((size diameter) near5 (micrometer	USPAT;	2002/01/16 11:58
			micron))	US-PGPUB;	
		}		ЕРО; ЛРО;	
		Ì		DERWENT;	
				IBM TDB	
	-	4	(cellulos\$4 near3 paper) same ((size diameter) near5 (micrometer	USPAT;	2002/01/16 11:59
			micron mm cm milli\$1meter\$1)) same (impregnat\$6 coat\$4) same	US-PGPUB;	
ı			(abrasi\$7 wear\$9)	EPO; JPO;	
			(DERWENT,	
				IBM TDB	
	_	1	ES-8704226-\$.DID.	DERWENT	2002/01/16 11:49
.	_	17	"8704226" "8704226"	USPAT;	2002/01/16 11:51
	-	17	8704220	US-PGPUB;	
	}			ЕРО; ЛРО;	
	İ			DERWENT;	
				IBM TDB	
ľ			#0010 CO 0 FU	USPAT;	2002/01/16 12:00
	-	3	"03136807"		2002/01/10 12:00
Ì	1			US-PGPUB;	
	1			EPO; JPO;	
				DERWENT;	
				IBM TDB	2002/01/16 10 20
		62	(cellulos\$4 near3 paper) same ((size diameter) near5 (micrometer	USPAT;	2002/01/16 18:28
	`		micron mm cm milli\$1meter\$1)) same (impregnat\$6 coat\$4)	US-PGPUB;	
				EPO; JPO;	
				DERWENT;	
				IBM TDB	
	-	47	decorative same (flow near2 coater)	USPAT;	2002/01/16 12:29
				US-PGPUB;	
i				ЕРО; ЛРО;	
				DERWENT;	
				IBM TDB	
	-	8	(decorative same (flow near2 coater)) same spray\$5	USPAT;	2002/01/16 12:57
				US-PGPUB;	
				ЕРО; ЛРО;	
				DERWENT,	
				IBM TDB	
	_	36	(particulate particle) same spray\$6 same (flow near2 coater)	USPAT;	2002/01/16 12:27
		30	(T	US-PGPUB;	
				EPO; JPO;	
				DERWENT;	
				IBM TDB	
		54	(metering near3 roller) same paper same (impregnat\$4 coat\$4)	USPAT;	2002/01/16 12:58
		34	(metering near) roller) same paper same (impregnation coation)	US-PGPUB;	
				EPO; JPO;	
				DERWENT;	
				IBM TDB	ļ
			(, , , , , , , , , , , , , , , , , , ,		2002/01/16 12:50
	-	48	(metering near2 roller) same paper same (impregnat\$4 coat\$4)	USPAT;	2002/01/16 12:59
				US-PGPUB;	
		1		EPO; JPO;	
				DERWENT;	
		L		IBM TDB	

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	14	(metering near2 roller) with paper with (impregnat\$4 coat\$4)	USPAT;	2002/01/16 13:00
	• •	(motoral nome rouse)	US-PGPUB;	
			ЕРО; ЛРО;	
			DERWENT;	
			IBM TDB	
<u>-</u>	3	(metering near2 roller) with paper with impregnat\$4	USPAT;	2002/01/16 13:00
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	3	((metering near2 roller) with impregnat\$4) and (decorative near4 (paper	USPAT;	2002/01/16 13:07
1		laminate))	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	_		IBM TDB	2002/01/16 13:08
-	6	(metering near2 roller) and (decorative near4 (paper laminate))	USPAT;	2002/01/10 13.08
			US-PGPUB;	
			ЕРО; ЛРО;	
			DERWENT; IBM TDB	
		(((decenting mond (noner leminate))) not	USPAT;	2002/01/16 13:24
-	3	((metering near2 roller) and (decorative near4 (paper laminate))) not	US-PGPUB;	2002/01/10 15.24
		(((metering near2 roller) with impregnat\$4) and (decorative near4	ЕРО; ЛРО;	
	1	(paper laminate)))	DERWENT;	
			IBM TDB	
	11	"432818"	USPAT;	2002/01/16 13:24
-	11	432818	US-PGPUB;	,
			ЕРО; ЈРО;	
			DERWENT;	
			IBM TDB	
1_	2	"432818"	EPO;	2002/01/16 13:25
	_		DERWENT	
_	5	"0432818"	EPO;	2002/01/16 13:25
•			DERWENT	
-	0	"0432818"	EPO	2002/01/16 13:25
_	1	"432818"	EPO	2002/01/16 13:26
-	0	"19508797"	EPO	2002/01/16 13:26
-	1	"19508797"	EPO;	2002/01/16 14:00
			DERWENT	
-	1	DE-19508797-\$.DID.	DERWENT	2002/01/16 13:27
-	15	abrasive with silica with (silicon near2 carbide) with ((aluminum near2	EPO;	2002/01/16 14:05
		oxide) corundum al\$10\$1)	DERWENT	2002/01/17 14:00
-	21	(wear\$9 abras\$) with silica with (silicon near2 carbide) with	EPO;	2002/01/16 14:09
1		((aluminum near2 oxide) corundum al\$10\$1)	DERWENT	2002/01/16 14:09
-	2	(wear\$9 abras\$) and (silica with (silicon near2 carbide) with	EPO; DERWENT	2002/01/16 14:08
		((aluminum near2 oxide) corundum al\$10\$1) with (suspen\$8	DEKWENI	
		dispers\$8))	EPO;	2002/01/16 14:37
-	3	((paper laminate) near3 decorative) and (silicon near2 carbide) with	DERWENT	2002/01/10 14.5/
		((aluminum near2 oxide) corundum al\$10\$1)	USPAT;	2002/01/16 14:19
-	2	4940503.pn.	US-PGPUB;	2002/01/10 14.17
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
'	29	((paper laminate) near3 decorative) and (silicon near2 carbide) with	USPAT;	2002/01/16 14:50
-	29	((aluminum near2 oxide) corundum al\$10\$1)	US-PGPUB;	
		((arminian nome oxide) condition and rown)	ЕРО; ЛРО;	
			DERWENT;	
			IBM TDB	1
1	1			

				000001010015.50
-	25	((paper laminate) near3 decorative) and ((silicon near2 carbide) with	USPAT;	2002/01/16 15:59
		((aluminum near2 oxide) corundum al\$10\$1) with silica)	US-PGPUB;	
			ЕРО; ЈРО;	
ļ			DERWENT;	
			IBM TDB	
-	1	((paper laminate) near3 decorative) and ((silicon near2 carbide) with	USPAT;	2002/01/16 15:09
		((aluminum near2 oxide) corundum al\$10\$1) with (nm mm cm micron	US-PGPUB;	
		milli\$9))	ЕРО; ЛРО;	
			DERWENT;	
			IBM TDB	
-	37	((paper laminate) near3 decorative) and (silane near3 ((adhesion near2	USPAT;	2002/01/16 16:09
		promot\$4) coupl\$4)) and ((wetting separating releas\$4) near3 agent)	US-PGPUB;	
			ЕРО; ЛРО;	
			DERWENT;	
			IBM TDB	
_	9	(((paper laminate) near3 decorative) and (silane near3 ((adhesion near2	USPAT;	2002/01/16 16:12
		promot\$4) coupl\$4)) and ((wetting separating releas\$4) near3 agent))	US-PGPUB;	
ļ		and ((curing cross\$1linking hardening) near3 agent)	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	27	(((paper laminate) near3 decorative) and (silane near3 ((adhesion near2	USPAT;	2002/01/16 18:18
		promot\$4) coupl\$4)) and ((wetting separating releas\$4) near3 agent))	US-PGPUB;	
		and (((curing cross\$11inking hardening) near3 agent) catalyst)	ЕРО; ЛРО;	
			DERWENT,	
			IBM TDB	

DERWENT-ACC-NO: 1987-179824

DERWENT-WEEK: 198726

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TITLE: Decorative exterior laminate prodn. - by incorporating colloidal carborundum particles into cellulose paper, impregnating with resin and curing

PATENT-ASSIGNEE: FORMICA ESPANOLA SA[FORM]

PRIORITY-DATA: 1985ES-0546234 (August 16, 1985)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC

ES 8704226 A June 1, 1987 N/A 000 N/A

APPLICATION-DATA:

PUB-NO APPL-DESCRIPTOR APPL-NO APPL-DATE ES 8704226A N/A 1985ES-0546234 August 16, 1985

INT-CL (IPC): B32B029/00; D21H001/10

ABSTRACTED-PUB-NO: ES 8704226A

BASIC-ABSTRACT: The process consists of (a) immersing a sheet of alpha-cellulose paper of 30-50 g./sq.m. weight in a mass of corundum particles of 15-80 micron size, to incorporate the particles into the sheet in a uniform manner, (b) impregnating the assembly with 68-70% melamine-forma ldehyde resin to consolidate the assembly during curing and stabilise the filler, resistant to abrasion in the interior of the paper, (c) dry the impregnated sheet; (d) cure the sheet in a hot air oven; and (e) cut the sheet to suitable dimensions.

TITLE-TERMS:

DECORATE EXTERIOR LAMINATE PRODUCE INCORPORATE COLLOID CARBORUNDUM PARTICLE CELLULOSE PAPER IMPREGNATE RESIN CURE

DERWENT-CLASS: F09 L02 P73

CPI-CODES: F05-A06; F05-A06B; L02-D14P;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1987-074849

01/16/2002, EAST Version: 1.02.0008

DERWENT-ACC-NO: 1994-111153
DERWENT-WEEK: 199935

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TITLE: Abrasion resistant decorative thermosetting laminate - comprising base layer and bonded sheets of transparent decorative paper impregnated with thermosetting resin, with resin-coated surface carrying small, hard particles, for flooring

INVENTOR: HASSELQVIST, A H; LINDGREN, K O; HASSELGVIS, A H

PATENT-ASSIGNEE: PERSTORP AB[PEST]

PRIORITY-DATA: 1988SE-0002982 (August 25, 1988)

PATENT-FAMILY:

PUB-DATE	LANGU	JAGE	PAGES	MAIN-IPC
July 16, 1999	N/A	000	B32B (027/04
April 6, 1994	E	007	B32B 02	7/04
July 13, 1994	N/A	000	N/A	
March 31, 1999	E	000	B32B (027/04
May 6, 1999	N/A	000	B32B	027/04
	July 16, 1999 April 6, 1994 July 13, 1994 March 31, 1999	July 16, 1999 N/A April 6, 1994 E July 13, 1994 N/A March 31, 1999 E	July 16, 1999 N/A 000 April 6, 1994 E 007 July 13, 1994 N/A 000 March 31, 1999 E 000	July 16, 1999 N/A 000 B32B 0 April 6, 1994 E 007 B32B 02 July 13, 1994 N/A 000 N/A March 31, 1999 E 000 B32B 0

DESIGNATED-STATES: AT BE CH DE ES FR GB GR IT LI LU NL SE AT BE CH DE ES FR GB GR IT LI LU NL SE

CITED-DOCUMENTS: No-SR.Pub; DE 2110605 ; EP 329154 ; US 3135643 ; US 3716440 ; US 3946137

APPLICATION-DATA:

PUB-NO	APPL-DESCRIE	PTOR	APPL-NO	APPL-DATE
ES 2131088T3	N/A	199	3EP-0119198	August 24, 1989
ES 2131088T3	Based on	E	P 590693	N/A
EP 590693A2	Related to	19	89EP-0115638	3 August 24, 1989
EP 590693A2	N/A	1993	3EP-0119198	August 24, 1989
EP 590693A3	N/A	1993	3EP-0119198	August 24, 1989
EP 590693A3	Related to	EP	355829	N/A
EP 590693B1	Div ex	198	9EP-0115638	August 24, 1989
EP 590693B1	N/A	1993	3EP-0119198	August 24, 1989
EP 590693B1	Div ex	EP:	355829	N/A
DE68928965E	N/A	198	9DE-0628965	August 24, 1989
DE68928965E	N/A	199	3EP-0119198	August 24, 1989
DE68928965E	Based on	E	P 590693	N/A

INT-CL_(IPC): B32B005/28; B32B021/02; B32B027/04; B32B029/00; B32B031/00; B44F001/00; D21H005/00; D21H027/34

RELATED-ACC-NO: 1990-060580;1994-120164

ABSTRACTED-PUB-NO: EP 590693A

BASIC-ABSTRACT: Decorative thermosetting laminate (I) with an extremely increased abrasion resistance comprising a base layer (II) and at least 2 patterned decor sheets of paper impregnated with a thermosetting resin and firmly bonded to the base layer. The paper material of the decor sheets is transparent, pref. made of alpha-cellulose, and the sheets are provided with the same pattern and placed on top of each other in such a manner that the corresponding parts of the pattern of the sheets coincide at least mainly, pref. fully, with each other, whereby the pattern at abrasion of one decor

sheet will be repeated in the next decor sheet. Transparent paper used for the decor sheets is pref. calendered or prepd. in another way to make printing possible. (I) may also contain natural unpatterned transparent paper sheets (III) placed between the decor sheets wherein at least one (III) is placed as the uppermost sheet in the laminate. (III) may be impregnated with a thermosetting resin and coated with small dry and hard particles (IV) evenly distributed over the resin coated surface whereupon the resin has been dried. (IV) may be silica, aluminium oxide and/or silicon carbide having an average particle size of 1-80 microm., pref. 5-60 microm. (II) consists of particle board or a fibre board or may consist of one or more paper sheets impregnated with thermosetting resin; these sheets being bonded together and with the transparent paper sheets by curing under heat and pressure.

USE - (I) may be used as a covering material for walls, cupboard doors, desktops, tabletops, for other furniture and as a flooring material.

ABSTRACTED-PUB-NO: EP 590693B

EQUIVALENT-ABSTRACTS: Decorative thermosetting laminate (I) with an extremely increased abrasion resistance comprising a base layer (II) and at least 2 patterned decor sheets of paper impregnated with a thermosetting resin and firmly bonded to the base layer. The paper material of the decor sheets is transparent, pref. made of alpha-cellulose, and the sheets are provided with the same pattern and placed on top of each other in such a manner that the corresponding parts of the pattern of the sheets coincide at least mainly, pref. fully, with each other, whereby the pattern at abrasion of one decor sheet will be repeated in the next decor sheet. Transparent paper used for the decor sheets is pref. calendered or prepd. in another way to make printing possible. (I) may also contain natural unpatterned transparent paper sheets (III) placed between the decor sheets wherein at least one (III) is placed as the uppermost sheet in the laminate. (III) may be impregnated with a thermosetting resin and coated with small dry and hard particles (IV) evenly distributed over the resin coated surface whereupon the resin has been dried. (IV) may be silica, aluminium oxide and/or silicon carbide having an average particle size of 1-80 microm., pref. 5-60 microm. (II) consists of particle board or a fibre board or may consist of one or more paper sheets impregnated with thermosetting resin; these sheets being bonded together and with the transparent paper sheets by curing under heat and pressure.

USE - (I) may be used as a covering material for walls, cupboard doors, desktops, tabletops, for other furniture and as a flooring material.

TITLE-TERMS:

ABRASION RESISTANCE DECORATE THERMOSETTING LAMINATE COMPRISE BASE LAYER BOND SHEET TRANSPARENT DECORATE PAPER IMPREGNATE THERMOSETTING RESIN RESIN COATING SURFACE CARRY HARD PARTICLE FLOOR

DERWENT-CLASS: A93 F09 P73

CPI-CODES: A12-A04A; A12-R03; F05-A06A;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1247U; 1544U; 1694U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

017; R00001 G1503 D01 D50 D81 F22; R00859 G1809 G1649 D01 D23 D22 D31 D45 D50 D83 F19 F10 F07; H0328; M9999 M2073; L9999 L2391; L9999 L2073; P0259*R P0226; H0022 H0011; S9999 S1605*R; P0260 Polymer Index [1.2]

017; ND01; ND09; K9563 K9483; K9494 K9483; K9701 K9676; B9999 B5287 B5276; B9999 B5436 B5414 B5403 B5276; N9999 N7147 N7034 N7023; N9999 N7192 N7023; Q9999 Q6848 Q6826; Q9999 Q7829 Q7818